INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

Joseph E. Kernan
Governor

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Commissioner

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.in.gov/idem

October 16, 2003

TO: Interested Parties / Applicant

RE: Safety-Kleen Oil Recovery Company / T089-7556-000301

FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval – Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-6-1(b) or IC 13-15-6-1(a) require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204.

For an **initial Title V Operating Permit**, a petition for administrative review must be submitted to the Office of Environmental Adjudication within **thirty (30)** days from the receipt of this notice provided under IC 13-15-5-3, pursuant to IC 13-15-6-1(b).
For a **Title V Operating Permit renewal**, a petition for administrative review must be submitted to the Office of Environmental Adjudication within **fifteen (15)** days from the receipt of this notice provided under IC 13-15-5-3, pursuant to IC 13-15-6-1(a).

The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:
(1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
(2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
(3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:
(1) the name and address of the person making the request;
(2) the interest of the person making the request;
(3) identification of any persons represented by the person making the request;
(4) the reasons, with particularity, for the request;
(5) the issues, with particularity, proposed for considerations at any hearing; and

(6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

Pursuant to 326 IAC 2-7-18(d), any person may petition the U.S. EPA to object to the issuance of an initial Title V operating permit, permit renewal, or modification within sixty (60) days of the end of the forty-five (45) day EPA review period. Such an objection must be based only on issues that were raised with reasonable specificity during the public comment period, unless the petitioner demonstrates that it was impractible to raise such issues, or if the grounds for such objection arose after the comment period.

To petition the U.S. EPA to object to the issuance of a Title V operating permit, contact:

U.S. Environmental Protection Agency
401 M Street
Washington, D.C. 20406

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FNTVOP.dot 9/16/03

PART 70 OPERATING PERMIT
OFFICE OF AIR QUALITY

Safety-Kleen Oil Recovery Co.
601 Riley Road
East Chicago, Indiana 46312-1638

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17. This permit also addresses certain new source review requirements for existing equipment and is intended to fulfill the new source review procedures pursuant to 326 IAC 2-7-10.5, applicable to those conditions.

Operation Permit No.: T089-7556-00301	
Issued by: Original signed by Janet McCabe Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: October 16, 2003 Expiration Date: October 16, 2008

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SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1, A.2 and A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)] [326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary oil re-refinery source.

Responsible Official:	Plant Manager
Source Address:	601 Riley Road, East Chicago, Indiana 46312-1638
Mailing Address:	601 Riley Road, East Chicago, Indiana 46312-1638
General Source Phone Number:	(219) 391-6100
SIC Code:	2992
County Location:	Lake
Source Location Status:	Nonattainment for SO2, Ozone, and PM10 Attainment for all other criteria pollutants
Source Status:	Part 70 Permit Program Major, under Emission Offset Rules; Minor Source, Section 112 of the Clean Air Act Not one of 28 listed source categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

(a) One (1) natural gas-fired boiler, identified as SB-801, installed in 1981, with a maximum capacity of 36.0 MMBtu/hr, and exhausting through stack SB-801.

(b) One (1) natural gas-fired boiler, identified as SB-820, installed in 1991, with a maximum capacity of 44.5 MMBtu/hr, and exhausting through stack SB-820.

(c) One (1) natural gas-fired boiler, identified as SB-821, installed in 1990, with a maximum capacity of 42.5 MMBtu/hr, and exhausting through stack SB-821.

(d) One (1) natural gas-fired boiler, identified as SB-823, to be constructed, with a maximum capacity of 34.0 MMBtu/hr, and exhausting through stack SB-823.

(e) One (1) natural gas/distillate fuel oil No. 2 off-gas-fired process heater, identified as H-201, installed in 1990, with a maximum capacity of 27.3 MMBtu/hr, and exhausting through stack H-201.

(f) One (1) natural gas/distillate fuel oil No. 2-fired indirect heating unit, identified as H-301, installed in 1989, with a maximum capacity of 20.0 MMBtu/hr, and exhausting through stack H-301.

(g) One (1) natural gas-fired process heater, identified as H-302, installed in 1992, with a maximum capacity of 15.1 MMBtu/hr, and exhausting through stack H-302.

(h) One (1) natural gas/distillate fuel oil No. 2 off-gas-fired process heater, identified as H-401, installed in 1990, with a maximum capacity of 15.3 MMBtu/hr, and exhausting through stack H-401.

(i) One (1) natural gas/distillate fuel oil No. 2-fired process heater, identified as H-402, installed in 1990, with a maximum capacity of 11.7 MMBtu/hr, and exhausting through stack H-402.

(j) One (1) natural gas-fired process heater, identified as H-404, installed in 1994, with a maximum capacity of 9.0 MMBtu/hr, and exhausting through stack H-404.

(k) One fractionation tower system installed in 2002, consisting of:

(1) One (1) natural gas-fired process heater, identified as H-406 (currently permitted as H-405), installed in 2002, with a maximum capacity of 20.0 MMBtu/hr, equipped with a low NOx burner, and exhausting through stack H-406.

(2) One (1) vacuum tower.

(3) Six (6) air coolers.

(4) Two (2) air strippers.

(5) Two (2) vacuum pumps and twenty (20) miscellaneous pumps.

(l) One (1) storage tank, identified as T-9, installed in 1968, with a maximum capacity of 20,000 gallons.

(m) Two (2) storage tanks, identified as T-26 and T-27, installed in 1968, with a maximum capacity of 19,110 gallons, each.

(n) One (1) storage tank, identified as T-51, installed in 1993, with a maximum capacity of 4,000,000 gallons.

(o) One (1) storage tank, identified as T-52, installed in 1966, with a maximum capacity of 126,000 gallons.

(p) Eleven (11) storage tanks, identified as T-101 through T-108, and T-110 through T-112, installed in 1989, with a maximum capacity of 30,000 gallons, each.

(q) Two (2) storage tanks, identified as T-906 and T-907, installed in 1989, with a maximum capacity of 30,598 gallons, each.

(r) Fourteen (14) storage tanks, identified as T-931, T-932, T-935, T-936, T-941, T-942, T-944, T-945, T-948, T-949, T-951, T-952, T-981 and T-982, installed in 1989, with a maximum capacity of 29,611 gallons, each.

(s) Four (4) storage tanks, identified as T-933, T-934, T-946 and T-947, installed in 1989, with a maximum capacity of 29,617 gallons, each.

(t) One (1) storage tank, identified as T-109, installed in 1989, with a maximum capacity of 20,000 gallons.

(u) Two (2) storage tanks, identified as T-120 and T-121, installed in 1989, with a maximum capacity of 15,000 gallons, each.

(v) Four (4) storage tanks, identified as T-651 through T-654, installed in 1992, with a maximum capacity of 30,401 gallons, each.

(w) Four (4) storage tanks, identified as T-901 through T-904, installed in 1989, with a

maximum capacity of 640,000 gallons, each.

(x) One (1) storage tank, identified as T-905, installed in 1989, with a maximum capacity of 120,000 gallons.

(y) One (1) storage tank, identified as T-908, installed in 1989, with a maximum capacity of 170,000 gallons.

(z) One (1) storage tank, identified as T-909, installed in 1952, with a maximum capacity of 2,000,000 gallons.

(aa) One (1) storage tank, identified as T-911, installed in 1989, with a maximum capacity of 120,000 gallons.

(bb) Two (2) storage tanks, identified as T-912 and T-913, installed in 1993, with a maximum capacity of 30,000 gallons, each.

(cc) Three (3) storage tanks, identified as T-914 through T-916, installed in 1993, with a maximum capacity of 31,028 gallons, each.

(dd) Two (2) storage tanks, identified as T-953 and T-954, installed in 1993, with a maximum capacity of 29,611 gallons, each.

(ee) One (1) storage tank, identified as T-937, installed in 1989, with a maximum capacity of 300,000 gallons.

(ff) One (1) storage tank, identified as T-938, installed in 1989, with a maximum capacity of 170,000 gallons.

(gg) One (1) storage tank, identified as T-939, installed in 1989, with a maximum capacity of 640,000 gallons.

(hh) One (1) storage tank, identified as T-950, installed in 1989, with a maximum capacity of 9,024 gallons.

(ii) One (1) storage tank, identified as T-955, installed in 1994, with a maximum capacity of 128,520 gallons.

(jj) Two (2) storage tanks, identified as T-961 and T-962, installed in 1994, with a maximum capacity of 30,000 gallons, each.

(kk) One (1) storage tank, identified as T-917, installed in 1995, with a maximum capacity of 31,208 gallons.

(ll) Degreasing operations consisting of the following:

(1) Maintenance Degreaser - uses Premium Solvent, with an annual usage of 1060 gallons per year.

(2) Railcar Unloading Area Degreaser - uses Premium Solvent, with an annual usage of 1060 gallons per year.

(3) Tanker Trailer Unloading Bays 1&2 - uses HTS Distillate, with an annual usage of 840 gallons per year.

(4) Tanker Trailer Unloading Bays 3&4 - uses HTS Distillate, with an annual usage of 840 gallons per year.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

(a) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2] [326 IAC 8-3-5]

(b) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4] [326 IAC 6-1-11.1]Covered in Conditions C.5 and C.6.

(c) Fugitive dust from vehicle traffic. [326 IAC 6-4] [326 IAC 6-1-11.1]Covered in Conditions C.5 and C.6.

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

(a) It is a major source, as defined in 326 IAC 2-7-1(22);

(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-7-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

B.2 Permit Term [326 IAC 2-7-5(2)] [326 IAC 2-1.1-9.5]

This permit is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date.

B.3 Enforceability [326 IAC 2-7-7]

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.4 Termination of Right to Operate [326 IAC 2-7-10] [326 IAC 2-7-4(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.5 Severability [326 IAC 2-7-5(5)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

This permit does not convey any property rights of any sort or any exclusive privilege.

B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit.

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)(C)]

(a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification.

(c) A responsible official is defined at 326 IAC 2-7-1(34).

B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]

(a) The Permittee shall annually submit a compliance certification report which addresses

the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than April 15 of each year to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

(b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(c) The annual compliance certification report shall include the following:

(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and

(5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ, may require to determine the compliance status of the source.

The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)] [326 IAC 2-7-6(1) and (6)] [326 IAC 1-6-3]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, including the following information on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

The PMP extension notification does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.

(c) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.11 Emergency Provisions [326 IAC 2-7-16]

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or
Telephone Number: 317-233-5674 (ask for Compliance Section)
Facsimile Number: 317-233-5967

(5) For each emergency lasting one (1) hour or more, the Permittee submitted the

attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(6) The Permittee immediately took all reasonable steps to correct the emergency.

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

(g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

(h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

B.12 Permit Shield [326 IAC 2-7-15] [326 IAC 2-7-20] [326 IAC 2-7-12]

(a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed in compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged

violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

(b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

(c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

(d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

(2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and

(4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

(e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

(f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]

(g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5]

(a) All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either

(1) incorporated as originally stated,

(2) revised, or

(3) deleted

by this permit.

(b) All previous registrations and permits are superseded by this permit.

B.14 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

(a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provisions), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, determines any of the following:

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]

(c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.16 Permit Renewal [326 IAC 2-7-4]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ, and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this

source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

(b) Timely Submittal of Permit Renewal [326 IAC 2-7-4(a)(1)(D)]

(1) A timely renewal application is one that is:

(A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

(B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(2) If IDEM, OAQ, upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

(c) Right to Operate After Application for Renewal [326 IAC 2-7-3]
If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as being needed to process the application.

(d) United States Environmental Protection Agency Authority [326 IAC 2-7-8(e)]
If IDEM, OAQ, fails to act in a timely way on a Part 70 permit renewal, the U.S. EPA may invoke its authority under Section 505(e) of the Clean Air Act to terminate or revoke and reissue a Part 70 permit.

B.17 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12]

(a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

Any such application shall be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

(d) No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.

B.18 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)] [326 IAC 2-7-12 (b)(2)]

(a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

(b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.19 Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (c), or (e), without a prior permit revision, if each of the following conditions is met:

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;

(3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

(5) The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-7-20(b), (c), or (e) and makes such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ, in the notices specified in 326 IAC 2-7-20(b)(1), (c)(1), and (e)(2).

(b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

(1) A brief description of the change within the source;

(2) The date on which the change will occur;

(3) Any change in emissions; and

(4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).

(d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

B.20 Source Modification Requirement [326 IAC 2-7-10.5]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.

B.21 Inspection and Entry [326 IAC 2-7-6] [IC 13-14-2-2] [IC 13-30-3-1]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

(a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.22 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

The application which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ, the applicable fee is due April 1 of each year.

(b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, I/M & Billing Section), to determine the appropriate permit fee.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-7-5(1)]

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) pounds per hour [40 CFR 52 Subpart P] [326 IAC 6-3-2]

(a) Pursuant to 40 CFR 52 Subpart P, particulate matter emissions from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.

(b) Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour. This condition is not federally enforceable.

C.2 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of twenty percent (20%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1. 326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable.

C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2. 326 IAC 9-1-2 is not federally enforceable.

C.5 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

C.6 Fugitive Dust Emissions [326 IAC 6-1-11.1]

Pursuant to 326 IAC 6-1-11.1 (Lake County Fugitive Particulate Matter Control Requirements), the particulate matter emissions from source wide activities shall meet the following requirements:

(a) The average instantaneous opacity of fugitive particulate emissions from a paved road shall not exceed ten percent (10%).

(b) The average instantaneous opacity of fugitive particulate emissions from an unpaved road shall not exceed ten percent (10%).

(c) The average instantaneous opacity of fugitive particulate emissions from batch transfer

shall not exceed ten percent (10%).

(d) The opacity of fugitive particulate emissions from continuous transfer of material onto and out of storage piles shall not exceed ten percent (10%) on a three (3) minute average.

(e) The opacity of fugitive particulate emissions from storage piles shall not exceed ten percent (10%) on a six (6) minute average.

(f) There shall be a zero (0) percent frequency of visible emission observations of a material during the inplant transportation of material by truck or rail at any time.

(g) The opacity of fugitive particulate emissions from the inplant transportation of material by front end loaders and skip hoists shall not exceed ten percent (10%).

(h) There shall be a zero (0) percent frequency of visible emission observations from a building enclosing all or part of the material processing equipment, except from a vent in the building.

(i) The PM_{10} emissions from building vents shall not exceed twenty-two thousandths (0.022) grains per dry standard cubic foot and ten percent (10%) opacity.

(j) The opacity of particulate emissions from dust handling equipment shall not exceed ten percent (10%).

(k) Any facility or operation not specified in 326 IAC 6-1-11.1(d) shall meet a twenty percent (20%), three (3) minute average opacity standard.

The Permittee shall achieve these limits by controlling fugitive particulate matter emissions according to the Fugitive Dust Control Plan, submitted on August 18, 2002.

C.7 Operation of Equipment [326 IAC 2-7-6(6)]

Except as otherwise provided by statute or rule, or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment are in operation.

C.8 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted. The provisions of 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4(d), (e), and (f), and 326 IAC 1-7-5(d) are not federally enforceable.

C.9 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Demolition and Renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

(g) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos Inspector is not federally enforceable.

Testing Requirements [326 IAC 2-7-6(1)]

C.10 Performance Testing [326 IAC 3-6]

(a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management

Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the source submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.11 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

Compliance Monitoring Requirements [326 IAC 2-7-5(1)] [326 IAC 2-7-6(1)]

C.12 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a source modification shall be implemented when operation begins.

C.13 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

Any monitoring or testing required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60 Appendix B, 40 CFR 63, or other approved methods as specified in this permit.

Corrective Actions and Response Steps [326 IAC 2-7-5] [326 IAC 2-7-6]

C.14 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

(a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.

(b) These ERPs shall be submitted for approval to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

within ninety (90) days after the date of issuance of this permit.

The ERP does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.

(d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.

(e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.

(f) Upon direct notification by IDEM, OAQ, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level.
[326 IAC 1-5-3]

C.15 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68.215]

If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the source must comply with the applicable requirements of 40 CFR 68.

C.16 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-7-5] [326 IAC 2-7-6]

(a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, OAQ upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and comprised of:

(1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected timeframe for taking reasonable response steps.

(2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.

(b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:

(1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or

(2) If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.

(3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, and it will be 10 days or more until the unit or device will be shut down, then the Permittee shall promptly notify the IDEM, OAQ of the expected date of the shut down, the status of the applicable compliance monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.

(4) Failure to take reasonable response steps shall be considered a deviation from the permit.

(c) The Permittee is not required to take any further response steps for any of the following reasons:

(1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.

(2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for a minor permit modification to the permit, and such request has not been denied.

(3) An automatic measurement was taken when the process was not operating.

(4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.

(d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.

(e) The Permittee shall record all instances when, in accordance with Section D, response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.

(f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

C.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.

(b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

C.18 Emission Statement [326 IAC 2-7-5(3)(C)(iii)] [326 IAC 2-7-5(7)] [326 IAC 2-7-19(c)] [326 IAC 2-6]

(a) The Permittee shall submit an annual emission statement certified pursuant to the requirements of 326 IAC 2-6, that must be received by April 15 of each year and must comply with the minimum requirements specified in 326 IAC 2-6-4. The annual emission statement shall meet the following requirements:

(1) Indicate estimated actual emissions of criteria pollutants from the source, in compliance with 326 IAC 2-6 (Emission Reporting);

(2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) ("Regulated pollutant which is used only for purposes of Section 19 of this rule") from the source, for purposes of Part 70 fee assessment.

(b) The annual emission statement covers the twelve (12) consecutive month time period starting December 1 and ending November 30. The annual emission statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

The emission statement does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) The annual emission statement required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

C.19 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]

(a) Records of all required monitoring data, reports and support information required by this

permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.20 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]

(a) The source shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(e) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years.

Stratospheric Ozone Protection

C.21 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

(a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.

(b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

(c) Persons performing maintenance, service, repair, or disposal of appliances must be

certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Boilers and Process Heaters

(a) One (1) natural gas-fired boiler, identified as SB-801, installed in 1981, with a maximum capacity of 36.0 MMBtu/hr, and exhausting through stack SB-801.

(b) One (1) natural gas-fired boiler, identified as SB-820, installed in 1991, with a maximum capacity of 44.5 MMBtu/hr, and exhausting through stack SB-820.

(c) One (1) natural gas-fired boiler, identified as SB-821, installed in 1990, with a maximum capacity of 42.5 MMBtu/hr, and exhausting through stack SB-821.

(d) One (1) natural gas-fired boiler, identified as SB-823, to be constructed, with a maximum capacity of 34.0 MMBtu/hr, and exhausting through stack SB-823.

(e) One (1) natural gas/distillate fuel oil No. 2 off-gas-fired process heater, identified as H-201, installed in 1990, with a maximum capacity of 27.3 MMBtu/hr, and exhausting through stack H-201.

(f) One (1) natural gas/distillate fuel oil No. 2-fired indirect heating unit, identified as H-301, installed in 1989, with a maximum capacity of 20.0 MMBtu/hr, and exhausting through stack H-301.

(g) One (1) natural gas-fired process heater, identified as H-302, installed in 1992, with a maximum capacity of 15.1 MMBtu/hr, and exhausting through stack H-302.

(h) One (1) natural gas/distillate fuel oil No. 2 off-gas-fired process heater, identified as H-401, installed in 1990, with a maximum capacity of 15.3 MMBtu/hr, and exhausting through stack H-401.

(i) One (1) natural gas/distillate fuel oil No. 2-fired process heater, identified as H-402, installed in 1990, with a maximum capacity of 11.7 MMBtu/hr, and exhausting through stack H-402.

(j) One (1) natural gas-fired process heater, identified as H-404, installed in 1994, with a maximum capacity of 9.0 MMBtu/hr, and exhausting through stack H-404.

(k) One fractionation tower system installed in 2002, consisting of:

(1) One (1) natural gas-fired process heater, identified as H-406 (currently permitted as H-405), installed in 2002, with a maximum capacity of 20.0 MMBtu/hr, equipped with a low NOx burner, and exhausting through stack H-406.

(2) One (1) vacuum tower.

(3) Six (6) air coolers.

(4) Two (2) air strippers.

(5) Two (2) vacuum pumps and twenty (20) miscellaneous pumps.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 Sulfur Dioxide Emission Limitations [326 IAC 7-4] [326 IAC 2-3]

(a) Pursuant to 326 IAC 7-4-1.1(19)(A), the four (4) boilers, identified as SB-801, SB-820, SB-821 and SB-822 shall use natural gas only.

(b) Pursuant to 326 IAC 7-4-1.1(19)(B), the three (3) process heaters, identified as H-201, H-302 and H-303 and the one (1) indirect heating unit, identified as H-301:

(1) Shall use a combination of natural gas, #2 fuel oil equivalent and off-gases.

(2) The combined sulfur dioxide emissions from these four (4) process heaters shall not exceed 0.3 pounds per million British thermal units of actual heat input. This requirement will also satisfy the requirements of 326 IAC 7-1.1-1.

(3) The combined sulfur dioxide emissions from these four (4) process heaters shall not exceed 14 pounds per hour and 60 tons per year.

(4) The limits make the requirements of 326 IAC 2-3 not applicable.

(c) Pursuant to 326 IAC 7-4-1.1(19)(C), the two (2) process heaters, identified as H-200 and H-701:

(1) Shall use a combination of natural gas, #2 fuel oil equivalent and off-gases.

(2) The combined sulfur dioxide emissions from the two (2) process heaters shall not exceed 0.3 pounds per million British thermal units of actual heat input.

(3) The combined sulfur dioxide emissions from these two (2) process heaters shall not exceed 14 pounds per hour and 60 tons per year.

(4) These limits make the requirements of 326 IAC 2-3 not applicable.

(d) Pursuant to 326 IAC 7-4-1.1(19)(D), the six (6) process heaters, identified as H-401, H-402, H-404, H-405, H-451 and H-452:

(1) Shall use a combination of natural gas, #2 fuel oil equivalent and off-gases.

(2) The combined sulfur dioxide emissions from these six (6) process heaters shall not exceed 0.3 pounds per million British thermal units of actual heat input.

(3) The combined sulfur dioxide emissions from these six (6) process heaters shall not exceed 16.67 pounds per hour and 70 tons per year.

(4) These limits make the requirements of 326 IAC 2-3 not applicable.

(e) Compliance with this SO2 emission limit shall be demonstrated based upon the sum of the SO2 emissions from the four (4) boilers on natural gas plus the SO2 emissions from the Twelve (12) process heaters on natural gas, process off-gas and No. 2 fuel oil. The SO2 emission rates shall be calculated based on the following emission factors:

Fuel Type	Emission Factor for Boilers	Emission Factor for Process Heaters
Natural Gas	0.6 pounds per million cubic feet of natural gas	0.6 pounds per million cubic feet of natural gas

Process Off-gas	Not Applicable	950 times the sulfur content (%)
No. 2 Fuel Oil	Not Applicable	142 times the sulfur content (%)

(f) This rule is not federally enforceable.

NOTE: The following equipment was not installed or has been removed: SB-822, H-303, H-200, H-701, H-405, H-451 and H-452.
These limits in conjunction with 326 IAC 2-3 emission offset make 326 IAC 2-3 not applicable.

D.1.2 Sulfur Dioxide Emission Limitations [40 CFR 52 Subpart P]

The source shall burn natural gas or may burn distillate oil with SO2 emissions limited to 0.3 pounds per million British thermal units of heat input.

D.1.3 Compliance Schedule [326 IAC 2-7-6(3)]

The IDEM, OAQ is aware that the state rule 326 IAC 7-4 has not been SIP approved by the US EPA. In addition, the IDEM, OAQ is aware that the Permittee is not in compliance with the current federal rule 40 CFR Part 52, Subpart P, as listed in Condition D.1.2, because the Permittee is currently burning off-gas which the federal rule does not allow for. The Permittee shall comply with the following requirements until such issue is resolved:

(a) Boilers SB-801, SB-820, SB-821 and SB-823 shall use natural gas only.

(b) Process heater H-201 (27.3 MMBtu/hr) shall use a combination of natural gas, #2 fuel oil equivalent and off-gases.

(c) Process heater H-301 (20.0 MMBtu/hr) shall use a combination of natural gas and #2 fuel oil equivalent.

(d) Process heater H-302 (15.1 MMBtu/hr) shall use natural gas only.

(e) The combined sulfur dioxide emissions from the three (3) process heaters, identified as H-201, H-301 and H-302, shall not exceed 14 pounds per hour and 60 tons per year.

(f) Process heater H-401 (15.3 MMBtu/hr) shall use a combination of natural gas, #2 fuel oil equivalent and off-gases.

(g) Process heater H-402 (11.7 MMBtu/hr) shall use a combination of natural gas and #2 fuel oil equivalent.

(h) Process heater H-404 (9.0 MMBtu/hr) shall use natural gas only.

(i) The combined sulfur dioxide emissions from the three (3) process heaters, identified as H-401, H-402 and H-404 shall not exceed 10.8 pounds per hour and 47.3 tons per year.

(j) Process heater H-406 (20.0 MMBtu/hr) shall use natural gas only.

The second notice in this draft rule was published in the Indiana Register Notice on June 1, 2003. The IDEM shall re-open this permit pursuant to 326 IAC 2-7-6(3) when the rule is promulgated final.

D.1.4 Nonapplicability of Previous Permit Condition

(a) Pursuant to CP 089-4399-00301, issued on June 12, 1998, and variance issued on December 3, 1998, Condition No. 9 stated that the sulfur dioxide emissions from the source shall be limited to one hundred thirty (130) tons per year. Therefore, the requirements of 326 IAC 2-3 are not applicable. This condition is not applicable since it

has been superceded by the SO2 emission limitations pursuant to 326 IAC 7-4-1.1 (Sulfur Dioxide Emission Limitations: Lake County).

(b) Pursuant to CP 089-4399-00301, issued on June 12, 1998 this emission offset will make 326 IAC 2-3 not applicable.

(1) Low NOX burners shall be installed or modified on the seven (7) process heaters H-201 (increased rated capacity from 27.0 to 45.0 million British thermal units per hour), H-301, H-302, H-401, H-402, H-404 and H-405 and operated at all times.

(2) Flue gas recirculation systems shall be installed on the two (2) boilers, identified as SB-820 and SB-821; if any or all of the emission units in (a) are constructed or modified.

(3) The boiler SB-801 shall be removed from service when H-200 is put into service, and the existing process heater (H-403) shall be removed from service when heater H-405 is put into service.

(4) Flue gas recirculation system shall be installed on the one (1) boiler, identified as SB-822; if the rated capacity of this boiler increases from 34.0 to 44.6 million British thermal units per hour.

(5) These conditions in combination with Conditions D.1.1 and D.1.3 are necessary to make 326 IAC 2-3 not applicable.

(6) If the Permittee desires to substitute low NOX burners for flue gas recirculation, the Permittee shall demonstrate that the NOX emission factor for the low NOX burners is equivalent to or lower than the emission factor for flue gas recirculation to IDEM, OAQ prior to the construction of these control devices.

This condition is not applicable since the equipment listed in CP 089-4399-00301, issued on June 12, 1998 (identified as Low NOx burners and the flue gas recirculation) system was not constructed.

D.1.5 Particulate [326 IAC 6-2-2]

Pursuant to 326 IAC 6-2-2 (Particulate Emission Limitations for Sources of Indirect Heating), the particulate emissions from boiler, identified as SB-801, which was existing and in operation after June 8, 1972 and prior to September 21, 1983, shall not exceed 0.49 pounds per MMBtu heat input.

This limitation is based on the following equation:

$$Pt = \frac{0.87}{Q^{0.16}}$$

Where: Pt = Pounds of particulate matter emitted per million Btu (lb/mmBtu) heat input.
Q = total source maximum operating capacity rating in million Btu per hour (mmBtu/hr) heat input.

D.1.6 Particulate [326 IAC 6-2-4]

(a) Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating: emission limitations for facilities specifically listed in 326 IAC 6-2-1(d)), particulate emissions from the one (1) indirect heating unit (H-301), installed after September 21, 1983, shall not exceed 0.38 pounds of particulate matter per MMBtu heat input.

(b) Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Source of Indirect Heating: emission limitations for facilities specifically listed in 326 IAC 6-2-1(d)), particulate emissions from the three (3) boilers (SB-820, SB-821 and SB-823), installed after September 21, 1983, shall not exceed 0.30, 0.33 and 0.28 pounds of particulate matter per MMBtu heat input, respectively.

The limitations in (a) and (b) are based on the following equation:

$$Pt = \frac{1.09}{Q^{0.26}}$$

Where Pt = pounds of particulate matter emitted per million Btu (lb/mmBtu) heat input.
Q = capacity for facility in question and capacity of those facilities which were previously constructed or received prior permits to construct.

D.1.7 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the one (1) indirect heating unit, identified as H-301, as well as the three (3) process heaters, identified as H-201, H-401, H-402 and their control devices.

Compliance Determination Requirements

D.1.8 Natural Gas

In order to demonstrate compliance with Conditions D.1.5 and D.1.6, the source shall burn only natural gas.

D.1.9 Sulfur Dioxide Emissions and Sulfur Content

(a) Compliance with Conditions D.1.1, D.1.2 and D.1.3 shall be determined utilizing one of the following options:

(1) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed three-tenths (0.3) pound per million Btu heat input by:

(A) Providing vendor analysis of fuel delivered, if accompanied by a vendor certification; or

(B) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.

(i) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and

(ii) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.

(2) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the boiler using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

A determination of noncompliance pursuant to any of the methods specified in (a) or (b) above shall not be refuted by evidence of compliance pursuant to the other method.

(b) In order to determine compliance with the SO2 emission limitations in Condition D.1.3, the Permittee shall perform fuel sampling analysis as listed in below. In addition, the

Permittee shall submit a report to IDEM within thirty (30) days after the end of each calendar quarter. The reports shall contain the following information:

(1) Fuel sampling and analysis of the sulfur on a daily basis in the following:
  (a) #2 fuel oil equivalent; and
  (b) Off-gases.

(2) Fuel consumption on a daily basis.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.1.10 Visible Emissions Notations

(a) Visible emissions notations of all six (6) process heater stack exhausts (H-201, H-302, H-401, H-402, H-404, H-406) and one (1) indirect heating unit (H-301) shall be performed once per shift during normal daylight operations while combusting fuel oil or off-gas. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.11 Record Keeping Requirements

(a) To document compliance with Conditions D.1.1, D.1.2 and D.1.3 the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be taken monthly and shall be complete and sufficient to establish compliance with the SO2 emission limits established in Conditions D.1.1, D.1.2 and D.1.3. Records necessary to demonstrate compliance shall be available within thirty (30) days of the end of each compliance period.

(1) Calendar dates covered in the compliance determination period;

(2) Actual fuel usage since last compliance determination period and equivalent sulfur dioxide emissions;

(3) To certify compliance when burning natural gas only, the Permittee shall maintain records of fuel used;

If the fuel supplier certification is used to demonstrate compliance, when burning alternate fuels and not determining compliance pursuant to 326 IAC 3-7-4, the following, as a minimum, shall be maintained:

(4) Fuel supplier certifications;

(5) The name of the fuel supplier; and

(6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

(b) To document compliance with D.1.3, the Permittee shall maintain records of daily fuel usage.

(c) To document compliance with Condition D.1.10, the Permittee shall maintain records of visible emission notations of the process heater stack exhausts once per shift for the process heaters which are combusting fuel oil or off-gas.

(d) Pursuant to 40 CFR 60, Subpart Dc, the Permittee shall maintain daily records of the amount and type of fuel burned in each of the three (3) boilers, identified as SB-820, SB-821 and SB-823, rated at 44.5, 42.5 and 34.0 MMBtu/hr, respectively.

(e) To document compliance with Condition D.1.8, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.

(f) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.12 Reporting Requirements

(a) A quarterly summary of the information to document compliance with Condition D.1.3 (e) and (i) shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) The natural gas process heater certification shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or its equivalent, within thirty (30) days after the end of the six (6) month period being reported. The natural gas-fired process heater certification does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) To document compliance with Condition D.1.9(b), the Permittee shall submit a report to IDEM, OAQ within thirty (30) days after the end of each calendar quarter.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Storage Tanks

(l) One (1) storage tank, identified as T-9, installed in 1968, with a maximum capacity of 20,000 gallons.

(m) Two (2) storage tanks, identified as T-26 and T-27, installed in 1968, with a maximum capacity of 19,110 gallons, each.

(n) One (1) storage tank, identified as T-51, installed in 1993, with a maximum capacity of 4,000,000 gallons.

(o) One (1) storage tank, identified as T-52, installed in 1966, with a maximum capacity of 126,000 gallons.

(p) Eleven (11) storage tanks, identified as T-101 through T-108, and T-110 through T-112, installed in 1989, with a maximum capacity of 30,000 gallons, each.

(q) Two (2) storage tanks, identified as T-906 and T-907, installed in 1989, with a maximum capacity of 30,598 gallons, each.

(r) Fourteen (14) storage tanks, identified as T-931, T-932, T-935, T-936, T-941, T-942, T-944, T-945, T-948, T-949, T-951, T-952, T-981 and T-982, installed in 1989, with a maximum capacity of 29,611 gallons, each.

(s) Four (4) storage tanks, identified as T-933, T-934, T-946 and T-947, installed in 1989, with a maximum capacity of 29,617 gallons, each.

(t) One (1) storage tank, identified as T-109, installed in 1989, with a maximum capacity of 20,000 gallons.

(u) Two (2) storage tanks, identified as T-120 and T-121, installed in 1989, with a maximum capacity of 15,000 gallons, each.

(v) Four (4) storage tanks, identified as T-651 through T-654, installed in 1992, with a maximum capacity of 30,401 gallons, each.

(w) Four (4) storage tanks, identified as T-901 through T-904, installed in 1989, with a maximum capacity of 640,000 gallons, each.

(x) One (1) storage tank, identified as T-905, installed in 1989, with a maximum capacity of 120,000 gallons.

(y) One (1) storage tank, identified as T-908, installed in 1989, with a maximum capacity of 170,000 gallons.

(z) One (1) storage tank, identified as T-909, installed in 1952, with a maximum capacity of 2,000,000 gallons.

(aa) One (1) storage tank, identified as T-911, installed in 1989, with a maximum capacity of 120,000 gallons.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Facility Description [326 IAC 2-7-5(15)]: Storage Tanks (continued)

(bb) Two (2) storage tanks, identified as T-912 and T-913, installed in 1993, with a maximum capacity of 30,000 gallons, each.

(cc) Three (3) storage tanks, identified as T-914 through T-916, installed in 1993, with a maximum capacity of 31,028 gallons, each.

(dd) Two (2) storage tanks, identified as T-953 and T-954, installed in 1993, with a maximum capacity of 29,611 gallons, each.

(ee) One (1) storage tank, identified as T-937, installed in 1989, with a maximum capacity of 300,000 gallons.

(ff) One (1) storage tank, identified as T-938, installed in 1989, with a maximum capacity of 170,000 gallons.

(gg) One (1) storage tank, identified as T-939, installed in 1989, with a maximum capacity of 640,000 gallons.

(hh) One (1) storage tank, identified as T-950, installed in 1989, with a maximum capacity of 9,024 gallons.

(ii) One (1) storage tank, identified as T-955, installed in 1994, with a maximum capacity of 128,520 gallons.

(jj) Two (2) storage tanks, identified as T-961 and T-962, installed in 1994, with a maximum capacity of 30,000 gallons, each.

(kk) One (1) storage tank, identified as T-917, installed in 1995, with a maximum capacity of 31,208 gallons.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.2.1 Standards of Performance for Volatile Organic Liquid Storage Vessels [326 IAC 12] [40 CFR 60.110b, Subpart Kb]

(a) The storage tanks identified as T-51, T-101 through T-112, T-120, T-121, T-651 through T-654, T-901 through T-908, T-911 through T-917, T-931 through T-939, T-941, T-942, T-944 through T-949, T-951 through T-955, T-961, T-962, T-981 and T-982 shall comply with the New Source Performance Standards (NSPS), 326 IAC 12 (40 CFR Part 60.110b, Subpart Kb) because their capacities are greater than or equal to 40 cubic meters and they were built after the July 23, 1984 applicability date. Pursuant to 40 CFR Part 60.116b paragraphs (a) and (b) require the Permittee to maintain accessible records showing the dimension of each storage vessel and an analysis showing the capacity of the storage vessel. A copy of 40 CFR Part 60, Subpart Kb, is attached.

(b) Pursuant to 40 CFR 60.116b, Subpart Kb paragraph (d) the source shall notify EPA and IDEM, OAQ within thirty (30) days when the maximum true vapor pressure of the liquid stored in tanks, whose capacity is greater than or equal to 151 m^3, exceeds 5.2 kPa. The source shall also notify EPA and IDEM, OAQ within thirty (30) days when the maximum true vapor pressure of the liquid stored in tanks, whose capacities are greater than or equal to 75 m^3 but less than 151 m^3, exceeds 27.6 kPa.

D.2.2 Volatile Organic Liquid Storage Vessels [326 IAC 8-9-6]

Pursuant to 326 IAC 8-9-6(a) and (b), the owner or operator of each vessel shall keep the following records for three (3) years unless specified otherwise. Records shall be maintained for the life of the vessel:

(1) the vessel identification number
(2) the vessel dimensions
(3) the vessel capacity

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Degreasing Operations

(ll) Degreasing operations consisting of the following:

(1) Maintenance Degreaser - uses Premium Solvent, with an annual usage of 1060 gallons per year.

(2) Railcar Unloading Area Degreaser - uses Premium Solvent, with an annual usage of 1060 gallons per year.

(3) Tanker Trailer Unloading Bays 1&2 - uses HTS Distillate, with an annual usage of 840 gallons per year.

(4) Tanker Trailer Unloading Bays 3&4 - uses HTS Distillate, with an annual usage of 840 gallons per year.

Insignificant Activities:

(a) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2] [326 IAC 8-3-5]

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.3.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-5] [326 IAC 8-3-2]

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), for cold cleaning operations located in Lake County and existing as of July 1, 1990, the owner or operator of a cold cleaner degreaser facility shall ensure that the following control equipment requirements are met:

(1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:

(A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38° C)(one hundred degrees Fahrenheit (100° F));

(B) The solvent is agitated; or

(C) The solvent is heated.

(2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38° C)(one hundred degrees Fahrenheit (100° F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

(3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).

(4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.

(5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38° C)(one hundred degrees Fahrenheit (100° F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9° C) (one hundred twenty degrees Fahrenheit (120° F)):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.

(B) A water cover when solvent is used is insoluble in, and heavier than, water.

(C) Other systems of demonstrated equivalent control such that as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the US EPA as a SIP revision.

(b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility shall ensure that the following operating requirements are met:

(1) Close the cover whenever the articles are not being handled in the degreaser.

(2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.

(3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Safety-Kleen Oil Recovery Co.
Source Address: 601 Riley Road, East Chicago, Indiana 46312-1638
Mailing Address: 601 Riley Road, East Chicago, Indiana 46312-1638
Part 70 Permit No.: T089-7556-00301

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

9 Annual Compliance Certification Letter

9 Test Result (specify) _____

9 Report (specify) _____

9 Notification (specify) _____

9 Affidavit (specify) _____

9 Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Phone:

Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

COMPLIANCE BRANCH
100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
Phone: 317-233-5674
Fax: 317-233-5967

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Safety-Kleen Oil Recovery Co.
Source Address: 601 Riley Road, East Chicago, Indiana 46312-1638
Mailing Address: 601 Riley Road, East Chicago, Indiana 46312-1638
Part 70 Permit No.: T089-7556-00301

This form consists of 2 pages Page 1 of 2

9 This is an emergency as defined in 326 IAC 2-7-1(12)

- C The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and
- C The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16.

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A

Page 2 of 2

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by:_____

Title / Position:_____

Date:_____

Phone:_____

A certification is not required for this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

PART 70 OPERATING PERMIT
SEMI-ANNUAL NATURAL GAS FIRED PROCESS HEATER CERTIFICATION

Source Name: Safety-Kleen Oil Recovery Co.
Source Address: 601 Riley Road, East Chicago, Indiana 46312-1638
Mailing Address: 601 Riley Road, East Chicago, Indiana 46312-1638
Part 70 Permit No.: T089-7556-00301

9	Natural Gas Only
9	Alternate Fuel burned From:_____ To:_____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. Signature:
Printed Name:
Title/Position:
Phone:
Date:

A certification by the responsible official as defined by 326 IAC 2-7-1(34) is required for this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Safety-Kleen Oil Recovery Co.
Source Address: 601 Riley Road, East Chicago, Indiana 46312-1638
Mailing Address: 601 Riley Road, East Chicago, Indiana 46312-1638
Part 70 Permit No.: T089-7556-00301
Facility: H-201, H-301 and H-302
Parameter: SO2
Limit: Fourteen (14) pounds per hour and sixty (60) tons per year

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Safety-Kleen Oil Recovery Co.
Source Address: 601 Riley Road, East Chicago, Indiana 46312-1638
Mailing Address: 601 Riley Road, East Chicago, Indiana 46312-1638
Part 70 Permit No.: T089-7556-00301
Facility: H-401, H-402 and H-404
Parameter: SO2
Limit: Ten and eight-tenths (10.8) pounds per hour and Forty seven and three-tenths (47.3) tons per year

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Fuel Usage Report

(Submit Report Quarterly)

Source Name: Safety-Kleen Oil Recovery Co.
Source Address: 601 Riley Road, East Chicago, Indiana 46312-1638
Mailing Address: 601 Riley Road, East Chicago, Indiana 46312-1638
Part 70 Permit No.: T089-7556-00301
Facility: H-201, H-301, H-401 and H-402
Parameter: SO2
Limit: Fuel sampling and analysis of sulfur on a daily basis in the following: #2 fuel oil equivalent; and Off-gases.

Month: _____ Year: _____

Day				Day			
1				17			
2				18			
3				19			
4				20			
5				21			
6				22			
7				23			
8				24			
9				25			
10				26			
11				27			
12				28			
13				29			
14				30			
15				31			
16							

9 No deviation occurred in this month.

9 Deviation/s occurred in this month.
Deviation has been reported on: _____

Submitted by: _____
Title/Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Safety-Kleen Oil Recovery Co.
Source Address: 601 Riley Road, East Chicago, Indiana 46312-1638
Mailing Address: 601 Riley Road, East Chicago, Indiana 46312-1638
Part 70 Permit No.: T089-7556-00301

Months: _____ to _____ Year: _____

Page 1 of 2

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".
9 NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.
9 THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

Indiana Department of Environmental Management
Office of Air Quality

Addendum to the
Technical Support Document for a Part 70 Operating Permit

Source Name: Safety-Kleen Oil Recovery Co.
Source Location: 601 Riley Road, East Chicago, Indiana 46312-1638
County: Lake
SIC Code: 2992
Operation Permit No.: T089-7556-00301
Permit Reviewer: Amy Cook

On August 25, 2003, the Office of Air Quality (OAQ) had a notice published in The Post Tribune, Merrillville, Indiana, and The Truth, Munster, Indiana, stating that Safety-Kleen Oil Recovery Co. had applied for a Part 70 Operating Permit to operate an oil re-refinery. The notice also stated that OAQ proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

Upon further review, the OAQ has decided to make the following revisions to the permit (bolded language has been added, the language with a line through it has been deleted). The Table Of Contents has been modified to reflect these changes.

1. A statement has been added to the third paragraph of the cover page of the Part 70 Operating Permit to specify that the Title V includes New Source Review (NSR) requirements which includes a draft federal rule which was published in the Indiana Register on June 1, 2003.

   The third paragraph of the cover page has been revised as follows:

   This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17. **This permit also addresses certain new source review requirements for existing equipment and is intended to fulfill the new source review procedures pursuant to 326 IAC 2-7-10.5, applicable to those conditions.**

2. Condition C.16(b)(3) (Compliance Response Plan - Preparation, Implementation, Records and Reports) has been revised. This notification requirement has been modified to apply only to situations where the emissions unit will continue to operate for an extended time while the compliance monitoring parameter is out of range. It is intended to provide the OAQ an opportunity to assess the situation and determine whether any additional actions are necessary to demonstrate compliance with applicable requirements.

   Condition C.16(b)(3) has been revised as follows:

   ~~(3)~~ ~~If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, the IDEM, OAQ shall be promptly notified~~

~~of the expected date of the shut down, the status of the applicable compliance monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.~~

(3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, and it will be 10 days or more until the unit or device will be shut down, then the Permittee shall promptly notify the IDEM, OAQ of the expected date of the shut down, the status of the applicable compliance monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.

Indiana Department of Environmental Management
Office of Air Quality

Addendum to the
Technical Support Document for a Part 70 Operating Permit

Source Name: Safety-Kleen Oil Recovery Co.
Source Location: 601 Riley Road, East Chicago, Indiana 46312-1638
County: Lake
SIC Code: 2992
Operation Permit No.: T089-7556-00301
Permit Reviewer: Amy Cook

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Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a Part 70 Operating Permit

Source Background and Description

Source Name: Safety-Kleen Oil Recovery Co.
Source Location: 601 Riley Road, East Chicago, Indiana 46312-1638
County: Lake
SIC Code: 2992
Operation Permit No.: T 089-7556-00301
Permit Reviewer: Amy Cook

The Office of Air Quality (OAQ) has reviewed a Part 70 permit application from Safety-Kleen Oil Recovery Co. relating to the operation of an oil re-refinery.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units and pollution control devices:

(a) One (1) natural gas-fired boiler, identified as SB-801, installed in 1981, with a maximum capacity of 36.0 MMBtu/hr, and exhausting through stack SB-801.

(b) One (1) natural gas-fired boiler, identified as SB-820, installed in 1991, with a maximum capacity of 44.5 MMBtu/hr, and exhausting through stack SB-820.

(c) One (1) natural gas-fired boiler, identified as SB-821, installed in 1990, with a maximum capacity of 42.5 MMBtu/hr, and exhausting through stack SB-821.

(d) One (1) natural gas-fired boiler, identified as SB-823, to be constructed, with a maximum capacity of 34.0 MMBtu/hr, and exhausting through stack SB-823.

(e) One (1) natural gas/distillate fuel oil No. 2 off-gas-fired process heater, identified as H-201, installed in 1990, with a maximum capacity of 27.3 MMBtu/hr, and exhausting through stack H-201.

(f) One (1) natural gas/distillate fuel oil No. 2-fired indirect heating unit, identified as H-301, installed in 1989, with a maximum capacity of 20.0 MMBtu/hr, and exhausting through stack H-301.

(g) One (1) natural gas-fired process heater, identified as H-302, installed in 1992, with a maximum capacity of 15.1 MMBtu/hr, and exhausting through stack H-302.

(h) One (1) natural gas/distillate fuel oil No. 2 off-gas-fired process heater, identified as H-401, installed in 1990, with a maximum capacity of 15.3 MMBtu/hr, and exhausting through stack H-401.

(i) One (1) natural gas/distillate fuel oil No. 2-fired process heater, identified as H-402, installed in 1990, with a maximum capacity of 11.7 MMBtu/hr, and exhausting through stack H-402.

(j) One (1) natural gas-fired process heater, identified as H-404, installed in 1994, with a maximum capacity of 9.0 MMBtu/hr, and exhausting through stack H-404.

(k) One fractionation tower system installed in 2002, consisting of:

(1) One (1) natural gas-fired process heater, identified as H-406 (currently permitted as H-405), installed in 2002, with a maximum capacity of 20.0 MMBtu/hr, equipped with a low NOx burner, and exhausting through stack H-406.

(2) One (1) vacuum tower.

(3) Six (6) air coolers.

(4) Two (2) air strippers.

(5) Two (2) vacuum pumps and twenty (20) miscellaneous pumps.

(l) One (1) storage tank, identified as T-9, installed in 1968, with a maximum capacity of 20,000 gallons.

(m) Two (2) storage tanks, identified as T-26 and T-27, installed in 1968, with a maximum capacity of 19,110 gallons, each.

(n) One (1) storage tank, identified as T-51, installed in 1993, with a maximum capacity of 4,000,000 gallons.

(o) One (1) storage tank, identified as T-52, installed in 1966, with a maximum capacity of 126,000 gallons.

(p) Eleven (11) storage tanks, identified as T-101 through T-108, and T-110 through T-112, installed in 1989, with a maximum capacity of 30,000 gallons, each.

(q) Two (2) storage tanks, identified as T-906 and T-907, installed in 1989, with a maximum capacity of 30,598 gallons, each.

(r) Fourteen (14) storage tanks, identified as T-931, T-932, T-935, T-936, T-941, T-942, T-944, T-945, T-948, T-949, T-951, T-952, T-981 and T-982, installed in 1989, with a maximum capacity of 29,611 gallons, each.

(s) Four (4) storage tanks, identified as T-933, T-934, T-946 and T-947, installed in 1989, with a maximum capacity of 29,617 gallons, each.

(t) One (1) storage tank, identified as T-109, installed in 1989, with a maximum capacity of 20,000 gallons.

(u) Two (2) storage tanks, identified as T-120 and T-121, installed in 1989, with a maximum capacity of 15,000 gallons, each.

(v) Four (4) storage tanks, identified as T-651 through T-654, installed in 1992, with a maximum capacity of 30,401 gallons, each.

(w) Four (4) storage tanks, identified as T-901 through T-904, installed in 1989, with a maximum capacity of 640,000 gallons, each.

(x) One (1) storage tank, identified as T-905, installed in 1989, with a maximum capacity of 120,000 gallons.

(y) One (1) storage tank, identified as T-908, installed in 1989, with a maximum capacity of 170,000 gallons.

(z) One (1) storage tank, identified as T-909, installed in 1952, with a maximum capacity of 2,000,000 gallons.

(aa) One (1) storage tank, identified as T-911, installed in 1989, with a maximum capacity of 120,000 gallons.

(bb) Two (2) storage tanks, identified as T-912 and T-913, installed in 1993, with a maximum capacity of 30,000 gallons, each.

(cc) Three (3) storage tanks, identified as T-914 through T-916, installed in 1993, with a maximum capacity of 31,028 gallons, each.

(dd) Two (2) storage tanks, identified as T-953 and T-954, installed in 1993, with a maximum capacity of 29,611 gallons, each.

(ee) One (1) storage tank, identified as T-937, installed in 1989, with a maximum capacity of 300,000 gallons.

(ff) One (1) storage tank, identified as T-938, installed in 1989, with a maximum capacity of 170,000 gallons.

(gg) One (1) storage tank, identified as T-939, installed in 1989, with a maximum capacity of 640,000 gallons.

(hh) One (1) storage tank, identified as T-950, installed in 1989, with a maximum capacity of 9,024 gallons.

(ii) One (1) storage tank, identified as T-955, installed in 1994, with a maximum capacity of 128,520 gallons.

(jj) Two (2) storage tanks, identified as T-961 and T-962, installed in 1994, with a maximum capacity of 30,000 gallons, each.

(kk) One (1) storage tank, identified as T-917, installed in 1995, with a maximum capacity of 31,208 gallons.

(ll) Degreasing operations consisting of the following:

(1) Maintenance Degreaser - uses Premium Solvent, with an annual usage of 1060 gallons per year.

(2) Railcar Unloading Area Degreaser - uses Premium Solvent, with an annual usage of 1060 gallons per year.

(3) Tanker Trailer Unloading Bays 1&2 - uses HTS Distillate, with an annual usage of 840 gallons per year.

(4) Tanker Trailer Unloading Bays 3&4 - uses HTS Distillate, with an annual usage of 840 gallons per year.

Insignificant Activities

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

(a) Space heaters, process heaters, or boilers using the following fuels:

(1) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour.

(b) Equipment powered by internal combustion engines of capacity equal to or less than 500,000 British thermal units per hour, except where total capacity of equipment operated by one stationary source exceeds 2,000,000 British thermal units per hour.

(c) Combustion source flame safety purging on startup.

(d) A gasoline fuel transfer and dispensing operation handling less than or equal to 1,300 gallons per day, such as filling of tanks, locomotives, automobiles, having a storage capacity less than or equal to 10,500 gallons.

(e) A petroleum fuel, other than gasoline, dispensing facility, having a storage capacity of less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month.

(f) The following VOC and HAP storage containers:

(1) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons.

(2) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.

(g) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2] [326 IAC 8-3-5]

(h) Cleaners and solvents characterized as follows:

(1) Having a vapor pressure equal to or less than 2 kPa; 15 mm Hg; or 0.3 psi measured at 38 degrees C (100 degrees F) or;

(2) Having a vapor pressure equal to or less than 0.7 kPa; 5 mm Hg; or 0.1 psi measured at 20 degrees C (68 degrees F); the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months.

(i) Closed loop heating and cooling systems.

(j) Noncontact cooling tower systems with either of the following:

(1) Natural draft cooling towers not regulated under a NESHAP;

(2) Forced and induced draft cooling tower system not regulated under a NESHAP.

(k) Heat exchanger cleaning and repair

(l) Process vessel degreasing and cleaning to prepare for internal repairs.

(m) Paved and unpaved roads and parking lots with public access.[326 IAC 6-4] [326 IAC 6-1-11.1]

(n) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.

(o) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.

(p) Other emergency equipment as follows:

(1) Stationary fire pumps

(q) Purge double block and bleed valves.

(r) Filter or coalescer media changeout.

(s) A laboratory as defined in 326 IAC 2-7-1(21)(D).

(t) HAP emissions from insignificant VOC emission units at this facility are at levels qualifying as trivial HAP emissions (<1 pound per day).

(u) Fugitive dust from vehicle traffic. [326 IAC 6-4] [326 IAC 6-1-11.1]

(v) Other categories with emissions below insignificant thresholds [326 IAC 2-7-1(21)(A)-(C)]

(1) Truck and railcar loading and unloading of used oil, hydraulic oil, lube oil, spindle oil, asphalt, glycols, spent caustic, and heavy fuel oil; barge lube oil loading.

(2) One (1) truck loading bay, distillate fuel, identified as L-2, installed in 1991, with a maximum capacity of 400 gallons per minute, and exhausting through stack L-2.

(3) V-409 Air stripper; dehydration process; distillation process; hydrotreatment process.

(4) One (1) intermittent use flare, used during maintenance and upset conditions on the hydrotreater and for the distillation off-gas system, identified as FL-801, installed in 1989, with a maximum capacity of 2,400 cubic feet per minute, and exhausting through stack FL-801.

(5) One (1) water treatment plant, identified as WTP, installed in 1992, equipped with a scrubber, with a maximum capacity of 150 gallons per minute, and exhausting through stack/vent S/V WTP. Included as part of the WTP are the following tanks:

(A) One (1) tank, identified as T-600, with a maximum capacity of 20,000 gallons;

(B) One (1) tank, identified as T-601, with a maximum capacity of 225,251 gallons;

(C) One (1) tank, identified as T-602, with a maximum capacity of 740,417; and

(D) Two (2) tanks, identified as T-603 and T-604, with a maximum capacity of 507,715 gallons, each.

Trivial Activities

The source also consists of the following trivial activities, as defined in 326 IAC 2-7-1(40).

(a) The following equipment related to manufacturing activities not resulting in the emissions of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6-3-1]

Existing Approvals

The source has been operating under previous approvals including, but not limited to, the following:

(a) 089-14526-00301, issued on September 18, 2001;

(b) AA 089-10302-00301, issued on December 3, 1998;

(c) CP 089-4399-00301, issued on June 12, 1998;

(d) CP 089-8149-00301, issued on April 30, 1997;

(e) CP 089-5337-00301, issued on February 26, 1996;

(f) AA to permit OP 089-00301, issued on December 9, 1991

(g) OP 089-00301, issued on March 5, 1991;

(h) OP 45-02-94-0606, issued on April 23, 1990; and

(i) PC 45-1798, issued on November 8, 1989

All conditions from previous approvals were incorporated into this Part 70 permit except the following:

(a) CP 089-4399-00301, issued on June 12, 1998;

Condition : Entire Permit

Reason not incorporated: CP 4399 is for new equipment, identified as H-303, H-451, H-452, H-701, T-501, T-502, T-503, T-505, T-506, T-507, T-513, T-514, T-971 through T-974, T-504, T-508, T-975 and T-980. The equipment listed in CP 4399 was not constructed. Therefore, the conditions of CP 4399 will not be carried over into this Part 70 Permit and do not apply to this source.

(b) CP 089-8149-00301, issued on April 30, 1997;

Construction Condition: Equipment list and all conditions relating to the following equipment.

Reason not incorporated: The following equipment was not installed or has been removed:
Boiler: SB-822
Process Heater: H-200

(c) OP 089-00301, issued March 5, 1991;

Operation Condition 4: Particulate Matter Emissions

Reason not incorporated: Operation Condition 4 stated that particulate matter emissions from the two (2) boilers, SB-820 and SB-821, and the five (5) process heaters, H-201, H-301, H-401, H-402 and H-403, and the existing boiler No. 1 (SB-801), shall be limited to 0.27 pounds per million Btu of heat input pursuant to 326 IAC 6-2. The five (5) process

heaters should not of been subject to 326 IAC 6-2 because they are not indirect heating units. Also, H-301 is not a process heater, it is an indirect heating unit.

In addition, the allowable PM emission rate pursuant to 326 IAC 6-2-3 for SB-801 is 0.6 pounds per million British thermal units of heat input. The allowable PM emission rate pursuant to 326 IAC 6-2-4 for SB-820 has been recalculated to be 0.351 pounds per million British thermal units of heat input and SB-821 has been recalculated to be 0.312 pounds per million British thermal units of heat input.

Based on new calculations the PM emission rate pursuant to 326 IAC 6-2-2 for SB-801 is 0.49 pounds per million British thermal units of heat input. The PM emission rate pursuant to 326 IAC 6-2-4 for SB-820 is 0.30 pounds per million British thermal units heat input and SB-821 is 0.33 pounds per million British thermal units heat input.

(d) OP 089-00301, issued on March 5, 1991;

Operation Condition 9: NOx emissions

Operation Condition 9 stated that the combined natural gas rate of the two (2) boilers, identified as SB-820 and SB-821, and the five (5) process heaters, identified as H-201, H-301, H-401, H-402 and H-403, shall not exceed 99,000 actual cubic feet of natural gas per hour. This will limit NOx emissions to 99 tons per year. Therefore, the PSD rule, 326 IAC 2-2, will not apply.

Reason not incorporated: This condition has been removed because the entire source potential to emit of NOx is below the two hundred fifty (250) ton per year threshold. Therefore, the PSD rule, 326 IAC 2-2, will not apply.

Enforcement Issue

There are no enforcement actions pending.

Recommendation

The staff recommends to the Commissioner that the Part 70 permit be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An administratively complete Part 70 permit application for the purposes of this review was received on December 12, 1996. Additional information was received on July 17, 2000, and May 16, 2003.

A notice of completeness letter was mailed to the source on January 21, 1997.

Emission Calculations

See pages 1 through 8 of Appendix A of this document for detailed emission calculations. The emission calculations for the degreasing units are as follows: (Usage = 1060 gallons/year; Density = 6.8 pounds/gallon; %VOC = 100%)

(a) Maintenance Degreaser (operating hours = 4160)
1060 gal/yr / 4160 op hr/yr = gal/hr X 6.8 lb/gal X 100% VOC X 8760 hr/yr / 2000 lb/ton = 7.59 tons/yr of VOC

(b) Railcar Unloading Degreaser (operating hours = 8760)
1060 gal/yr X 6.8 lb/gal / 2000 lb/ton X 100% VOC = 3.60 tons/yr of VOC

(c) Tanker Trailer Unloading Bays 1&2 and 3&4
There are no VOC emissions associated with these units.

Potential To Emit

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as "the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA."

This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	7.27
PM-10	14.14
SO_2	151.12
VOC	18.64
CO	116.70
NO_x	177.74

Note: For the purpose of determining Title V applicability for particulates, PM-10, not PM, is the regulated pollutant in consideration.

Note: IDEM, OAQ has determined that the potential emissions from the storage tanks is negligible.

HAP's	Potential To Emit (tons/year)
Acetaldehyde	0.006
Arsenic	0.081
Benzene	0.395
Beryllium	0.061
Cadmium	0.062
Chromium	0.063
Dichlorobenzene	0.001
Formaldehyde	0.099
Hexane	2.170
Lead	0.184
Manganese	0.128
Mercury	0.061
Naphthalene	0.002
Nickel	0.064
Phenol	0.004
Selenium	0.305
Toluene	0.669
TOTAL	4.36

(a) The potential to emit (as defined in 326 IAC 2-1.1-1(16)) of SO2, CO and NOx are equal to or greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.

(b) Fugitive Emissions
Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance

Standards that were in effect on August 7, 1980, the fugitive emissions are not counted toward determination of PSD and Emission Offset applicability.

Actual Emissions

The following table shows the actual emissions from the source. This information reflects the 2001 OAQ emission data. There are no actual HAP emissions on file at IDEM, OAQ for this source.

Pollutant	Actual Emissions (tons/year)
PM	5.99
PM-10	5.99
SO_2	116.19
VOC	6.58
CO	45.99
NO_x	107.75
HAPs	not reported

Potential to Emit After Issuance

The table below summarizes the potential to emit, reflecting all limits, of the significant emission units after controls. The control equipment is considered federally enforceable only after issuance of this Part 70 operating permit.

	Potential to Emit (tons/year)						
Process/facility	PM	PM-10	SO_2	VOC	CO	NO_X	HAPs
SB-801	0.49 [1]	1.20	0.09	0.87	13.25	15.77	– --
SB-820	0.30 [1]	1.48	0.12	1.07	16.37	19.49	– --
SB-821	0.33 [1]	1.41	0.11	1.02	15.64	18.62	– --
SB-823	0.28 [1]	1.13	0.09	0.82	12.51	14.89	– --
H-201	2.13	2.81	60	0.97	16.50	37.80	– --
H-301	0.38 [1]	1.92		0.69	10.49	21.27	– --
H-302	0.13	0.50		0.36	5.56	6.61	– --
H-401	1.22	1.60	47.3	0.55	9.58	22.53	– --
H-402	0.83	1.12		0.40	6.13	12.44	– --
H-404	0.07	0.30		0.22	3.31	3.94	– --
H-406	0.17	0.67	0.05	0.48	7.36	4.38	– --
Degreasers	– –	– –	– –	11.19	– –	– –	– –
Total Emissions	6.33	14.14	107.76	18.64	116.70	177.74	not applicable

[1] Based on 326 IAC 6-2 (MMBtu/hr). The Potential to emit is less when the MMBtu is calculated out using 8760 hours.

NOTE: The source must comply with these SO2 limits listed in the draft 326 IAC 7-4 SIP. The SO2 emissions shall not exceed 0.3 pounds per million British thermal units of heat input when combusting distillate oil.

NOTE: All other limits are based on potential to emit (PTE).

County Attainment Status

The source is located in Lake County.

Pollutant	Status
PM-10	moderate nonattainment
SO_2	primary nonattainment
Ozone	severe nonattainment
CO	maintenance attainment
Lead	attainment

(a) Volatile organic compounds (VOC) are precursors for the formation of ozone. Therefore, VOC emissions are considered when evaluating the rule applicability relating to the ozone standards. Lake County has been designated as nonattainment for ozone. Therefore, VOC emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.

(b) The source is moderate nonattainment for PM-10 because it is located in Lake County in the city of East Chicago. The source is primary nonattainment for SO2 because it is located in Lake County and it is bounded on the north by Lake Michigan, on the west by the Indiana-Illinois State line, on the south by US 30 from the State line to the intersection of I-65 then following I-65 to the intersection of I-94 then following I-94 to the Lake-Porter County line, and on the east by the Lake-Porter County line. The source is severe nonattainment for Ozone because it is located in Lake County. Therefore, these requirements were reviewed pursuant to 326 IAC 2-3.

(c) Fugitive Emissions
Since this type of operation is not one of the 28 listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive emissions are not counted toward determination of PSD and Emission Offset applicability.

Part 70 Permit Conditions

This source is subject to the requirements of 326 IAC 2-7, pursuant to which the source has to meet the following:

(a) Emission limitations and standards, including those operational requirements and limitations that assure compliance with all applicable requirements at the time of issuance of Part 70 permits.

(b) Monitoring and related record keeping requirements which assume that all reasonable information is provided to evaluate continuous compliance with the applicable requirements.

Federal Rule Applicability

40 CFR 64 - Compliance Assurance Monitoring (CAM):
This rule does not apply because the emission units do not use any controls to comply with any applicable provisions in this Part 70 permit.

40 CFR 60.40c, Subpart Dc - Standards of Performance of Small Industrial-Commercial-Institutional Steam Generating Units:

The three (3) natural gas-fired process boilers, identified as SB-820, SB-821 and SB-823, rated at 44.5, 42.5 and 34.0 MMBtu/hr, respectively, are subject to the New Source Performance Standard, 326 IAC 12 (40 CFR 60.40c, Subpart Dc) because they were installed after the June 9, 1989 applicability date and are rated between ten (10) and one hundred (100) MMBtu/hr. The amount and type of fuel combusted in SB-820, SB-821 and SB-823 shall be recorded daily. Boiler, identified as SB-801, is not subject to this NSPS because is was constructed before the June 9, 1989 applicability date.

40 CFR 60.110b, Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels:

(a) The storage tanks identified as T-51, T-101 through T-112, T-120, T-121, T-651 through T-654, T-901 through T-908, T-911 through T-917, T-931 through T-939, T-941, T-942, T-944 through T-949, T-951 through T-955, T-961, T-962, T-981 and T-982 shall comply with the New Source Performance Standards (NSPS), 326 IAC 12 (40 CFR Part 60.110b, Subpart Kb) because their capacities are greater than or equal to 40 cubic meters and they were built after the July 23, 1984 applicability date. Pursuant to 40 CFR Part 60.116b paragraphs (a) and (b), the Permittee shall maintain accessible records showing the dimension of each storage vessel and an analysis showing the capacity of the storage vessel. A copy of 40 CFR Part 60, Subpart Kb, is attached.

(b) The requirements of 40 CFR 60.116b paragraph (c) are not applicable because the vapor pressure of the material stored in the tanks is less than the applicability level of this rule.

(c) Pursuant to 40 CFR 60.116b, Subpart Kb paragraph (d) the source shall notify EPA and IDEM, OAQ within thirty (30) days when the maximum true vapor pressure of the liquid stored in tanks, whose capacity is greater than or equal to 151 m^3, exceeds 5.2 kPa. The source shall also notify EPA and IDEM, OAQ within thirty (30) days when the maximum true vapor pressure of the liquid stored in tanks, whose capacities are greater than or equal to 75 m^3 but less than 151 m^3, exceeds 27.6 kPa.

(d) Tank T-950 with a capacity of 9,030 gallons constructed in 1989 is not subject to the New Source Performance Standard, 326 IAC 12 (40 CFR 60.110b, Subpart Kb) because its capacity is less than or equal to 40 cubic meters even though it was built after the July 23, 1984 applicability date.

40 CFR 60.100, Subpart J - Standards of Performance for Petroleum Refineries:

This source is not subject to this rule because the source is a re-refinery and does not refine virgin crude oil.

40 CFR 60.500, Subpart XX - Standards of Performance for Bulk Gasoline Terminals:

The source is not subject to this rule because the material loaded and unloaded at the loading racks is lube oil, not gasoline.

40 CFR 60.590, Subpart GGG - Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries:

This source is not subject to this rule because the source is a re-refinery and does not refine virgin crude oil.

40 CFR 60.690, Subpart QQQ - Standards of Performance of VOC Emissions from Petroleum Refinery Wastewater Systems:

This source is not subject to this rule because the source is a re-refinery and does not refine virgin crude oil.

40 CFR 63.460, Subpart T - Standards for Halogenated Solvent Cleaning:

This source is not subject to this rule because there is no halogenated solvents in a total concentration greater than five percent (5%) by weight, as a cleaning and/or drying agent.

40 CFR Part 63 - National Emission Standards for Hazardous Air Pollutants:

There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14 and 40 CFR Part 63) applicable to this source. The source is not subject to the requirements of NESHAP Subpart DD (National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations) because the plant site is not a major source of hazardous air pollutant (HAP) emissions as defined in 40 CFR Part 63.2. The source is not subject to the requirements of NESHAP Subpart CC (National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries) because this source is a re-refinery and does not refine virgin crude oil.

40 CFR 63.50 through 63.56 - Maximum Achievable Control Technology (MACT):

The requirements of Section 112(j) of this rule do not apply because the source is not a major source of hazardous air pollutants (HAPs).

State Rule Applicability - Entire Source

326 IAC 2-6 (Emission Reporting)

This source is subject to 326 IAC 2-6 (Emission Reporting), because it has the potential to emit more than ten (10) tons per year of VOC and NOx in Lake County. Pursuant to this rule, the owner/operator of the source must annually submit an emission statement for the source. The annual statement must be received by April 15 of each year and contain the minimum requirement as specified in 326 IAC 2-6-4. The submittal should cover the period defined in 326 IAC 2-6-2(8)(Emission Statement Operating Year).

326 IAC 5-1 (Opacity Limitations)

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of twenty percent (20%) any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

326 IAC 2-2 (Prevention of Significant Deterioration (PSD))

This rule does not apply because the entire source potential to emit (PTE) for PM, NOX and CO each is below the two hundred fifty (250) ton per year threshold. The source was constructed in 1981, is not one of the 28 listed source categories and has had no major modifications.

326 IAC 2-3 (Emission Offset)

The potential to emit (PTE) of PM10 is below the one hundred (100) tons per year threshold and the potential to emit (PTE) of VOC is below the twenty-five (25) tons per year threshold. Since the source is located in Lake County and the SO2 emissions are greater than one hundred (100) tons per year, 326 IAC 2-3 will apply. However, pursuant to 326 IAC 7-4 (Sulfur Dioxide Emission Limitations: Lake County) in conjunction with the revised 326 IAC 2-3 conditions, this rule is not applicable. The source was constructed in 1952 and the source has not had any modifications triggering emission offset.

326 IAC 8-4-2 and 326 IAC 8-4-8 (Petroleum Sources: Refineries, and Leaks from Petroleum Refineries)

These rules apply to certain facilities at petroleum refinery sources. Safety-Kleen is determined to be a refinery that is engaged in producing lubricants through redistillation, but it is not a "petroleum" refinery because the materials that are refined are waste oils from the industry that have already been reclaimed; not the crude oil removed from the earth, and the oils derived from tar sands, shale, and coal.

326 IAC 8-7 (Specific Reduction Requirements for Lake, Porter, Clark and Floyd Counties)

Pursuant to 326 IAC 8-7-2, since this source does not have the potential to emit twenty-five (25) tons per year or more of volatile organic compound (VOC) and does not perform any surface coating operations, this rule does not apply to this source.

326 IAC 1-7 (Stack Height)

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted. The provisions of 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4(d), (e), and (f), and 326 IAC 1-7-5(d) are not federally enforceable.

326 IAC 6-1-2 (Nonattainment Area Particulate Limitations: Particulate Emission Limitations)

Since none of the facilities are specifically listed in 326 IAC 6-1-10 and the entire source does not have the potential to emit (PTE) more than one hundred (100) tons per year of particulate matter (PM), this rule is not applicable.

326 IAC 6-1-10.1 (Nonattainment Area Particulate Limitations: Lake County PM10 Emission Requirements)

Since Safety-Kleen Oil Recovery Co. is not a listed source in 6-1-10.1(d), this rule does not apply to this source's facilities.

326 IAC 6-4 (Fugitive Dust Emissions)

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

326 IAC 6-1-11.1 (Fugitive Dust Emissions)

Pursuant to 326 IAC 6-1-11.1 (Lake County Fugitive Particulate Matter Control Requirements), the source is located in Lake County and has potential fugitive PM emissions of five (5) tons per year, therefore, the particulate matter emissions from source wide activities shall meet the following requirements:

(a) The average instantaneous opacity of fugitive particulate emissions from a paved road shall not exceed ten percent (10%).

(b) The average instantaneous opacity of fugitive particulate emissions from an unpaved road shall not exceed ten percent (10%).

(c) The average instantaneous opacity of fugitive particulate emissions from batch transfer shall not exceed ten percent (10%).

(d) The opacity of fugitive particulate emissions from continuous transfer of material onto and out of storage piles shall not exceed ten percent (10%) on a three (3) minute average.

(e) The opacity of fugitive particulate emissions from storage piles shall not exceed ten percent (10%) on a six (6) minute average.

(f) There shall be a zero (0) percent frequency of visible emission observations of a material during the inplant transportation of material by truck or rail at any time.

(g) The opacity of fugitive particulate emissions from the inplant transportation of material by front end loaders and skip hoists shall not exceed ten percent (10%).

(h) There shall be a zero (0) percent frequency of visible emission observations from a building enclosing all or part of the material processing equipment, except from a vent in the building.

(i) The PM_{10} emissions from building vents shall not exceed twenty-two thousandths (0.022) grains per dry standard cubic foot and ten percent (10%) opacity.

(j) The opacity of particulate emissions from dust handling equipment shall not exceed ten percent (10%).

(k) Any facility or operation not specified in 326 IAC 6-1-11.1(d) shall meet a twenty percent (20%), three (3) minute average opacity standard.

The Permittee shall achieve these limits by controlling fugitive particulate matter emissions according to the Fugitive Dust Control Plan, submitted on August 18, 2002.

State Rule Applicability - Individual Facilities

326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

(a) The four (4) natural gas-fired boilers, identified as SB -801, SB-820, SB-821 and SB-823, do not have the potential to emit (PTE) twenty-five (25) tons or more of sulfur dioxide per year or have actual emissions of ten (10) pounds or more of sulfur dioxide per hour each. Therefore, these boilers are not subject to 326 IAC 7-1.1-1. However, these boilers are specifically listed under 326 IAC 7-4.

(b) The three (3) process heaters, identified as H-302, H-404 and H-406, do not have the potential to emit (PTE) twenty-five (25) tons or more of sulfur dioxide per year or have actual emissions of ten (10) pounds or more of sulfur dioxide per hour each. Therefore, these process heaters are not subject to 326 IAC 7-1.1-1. However, these boilers are specifically listed under 326 IAC 7-4.

(c) The three (3) process heaters, identified as H-201, H-401 and H-402, and the one (1) indirect heating unit, identified as H-301, have the potential to emit (PTE) twenty-five (25) tons or more of sulfur dioxide per year or have actual emissions of ten (10) pounds or more of sulfur dioxide per hour each. However, these process heaters and indirect heating unit are not subject to 326 IAC 7-1.1-1 because they are limited by 326 IAC 7-4.

326 IAC 7-4 (Sulfur Dioxide Emission Limitations: Lake County)

(a) Pursuant to 326 IAC 7-4-1.1(19)(A), the four (4) boilers, identified as SB-801, SB-820, SB-821 and SB-822, shall use natural gas only.

(b) Pursuant to 326 IAC 7-4-1.1(19)(B), the three (3) process heaters, identified as H-201, H-302 and H-303 and the one (1) indirect heating unit, identified as H-301, shall use a combination of natural gas, #2 fuel oil equivalent and off-gases. The combined sulfur dioxide emissions from these four (4) process heaters shall not exceed 0.3 pounds per million British thermal units of actual heat input. This requirement will also satisfy the requirements of 7-1.1-1. In addition, the combined sulfur dioxide emissions from these four (4) process heaters shall not exceed 14 pounds per hour and 60 tons per year. These limits make the requirements of 326 IAC 2-3 not applicable.

(c) Pursuant to 326 IAC 7-4-1.1(19)(C), the two (2) process heaters, identified as H-200 and H-701 shall use a combination of natural gas, #2 fuel oil equivalent and off-gases. The combined sulfur dioxide emissions from these two (2) process heaters shall not exceed 0.3 pounds per million British thermal units of actual heat input. In addition, the

combined sulfur dioxide emissions from these two (2) process heaters shall not exceed 14 pounds per hour and 60 tons per year. These limits make the requirements of 326 IAC 2-3 not applicable.

(d) Pursuant to 326 IAC 7-4-1.1(19)(D), the six (6) process heaters, identified as H-401, H-402, H-404, H-405, H-451 and H-452 shall use a combination of natural gas, #2 fuel oil equivalent and off-gases. The combined sulfur dioxide emissions from these six (6) process heaters shall not exceed 0.3 pounds per million British thermal units of actual heat input. In addition, the combined sulfur dioxide emissions from the these six (6) process heaters shall not exceed 16.67 pounds per hour and 70 tons per year. These limits make the requirements of 326 IAC 2-3 not applicable.

NOTE: The following equipment was not installed or has been removed: SB-822, H-303, H-200, H-701, H-405, H-451 and H-452.
These limits in conjunction with 326 IAC 2-3 emission offset make 326 IAC 2-3 not applicable.

326 IAC 2-7-6(3) (Compliance Schedule)

The IDEM, OAQ is aware that the state rule 326 IAC 7-4 has not been SIP approved by the US EPA. In addition, the IDEM, OAQ is aware that the Permittee is not in compliance with the current federal rule 40 CFR Part 52, Subpart P, as listed in Condition D.1.3, because the Permittee is currently burning off-gas which the federal rule does not allow for. The Permittee shall comply with the following requirements until such issue is resolved:

(a) Boilers SB-801, SB-820, SB-821 and SB-823 shall use natural gas only.

(b) Process heater H-201 (27.3 MMBtu/hr) shall use a combination of natural gas, #2 fuel oil equivalent and off-gases.

(c) Process heater H-301 (20.0 MMBtu/hr) shall use a combination of natural gas and #2 fuel oil equivalent.

(d) Process heater H-302 (15.1 MMBtu/hr) shall use natural gas only.

(e) The combined sulfur dioxide emissions from the three (3) process heaters, identified as H-201, H-301 and H-302, shall not exceed 14 pounds per hour and 60 tons per year.

(f) Process heater H-401 (15.3 MMBtu/hr) shall use a combination of natural gas, #2 fuel oil equivalent and off-gases.

(g) Process heater H-402 (11.7 MMBtu/hr) shall use a combination of natural gas and #2 fuel oil equivalent.

(h) Process heater H-404 (9.0 MMBtu/hr) shall use natural gas only.

(i) The combined sulfur dioxide emissions from the three (3) process heaters, identified as H-401, H-402 and H-404 shall not exceed 10.8 pounds per hour and 47.3 tons per year.

(j) Process heater H-406 (20.0 MMBtu/hr) shall use natural gas only.

The second notice in this draft rule was published in the Indiana Register Notice on June 1, 2003. The IDEM shall re-open this permit pursuant to 326 IAC 2-7-6(3) when the rule is promulgated final.

40 CFR 52 Subpart P (Sulfur Dioxide Emission Limitations)

The SO2 emissions shall not exceed 0.3 pounds per million British thermal units of heat input when combusting distillate oil.

326 IAC 8-1-6 (VOC Rules: New Facilities; General Reduction Requirements)

(a) The potential to emit (PTE) of VOC from the storage tanks is less than twenty-five (25) tons per year from each storage tank. Therefore, 326 IAC 8-1-6 does not apply to these facilities.

(b) The potential to emit (PTE) of VOC from the degreasers is less than twenty-five(25) tons per year from each degreaser. Therefore, 326 IAC 8-1-6 does not apply to these facilities.

326 IAC 8-4-3 (Petroleum Sources: Petroleum Liquid Storage Facilities)

Since none of the storage tanks with capacities greater than 39,000 gallons (T-51, T-52, T-901 through T-905, T-908, T-909, T-911, T-937 through T-939 and T-955) that store petroleum liquids have a true vapor pressure greater than 1.52 psi, the requirements of 326 IAC 8-4-3 do not apply to these tanks.

326 IAC 8-6-1 (Organic Solvent Emission Limitations)

This rule applies to existing sources as of January 1, 1980 located in Lake County with the potential to emit one hundred (100) tons or greater per year of VOC. The entire source does not have the potential to emit (PTE) of VOC greater than one hundred (100) tons per year. Therefore, 326 IAC 8-6-1 is not applicable.

326 IAC 8-7-2 (Specific Reduction Requirements for Lake, Porter, Clark and Floyd Counties)

This source is a stationary source located in Lake County. However, the source does not have the potential to emit (PTE) of VOCs at levels equal to or greater than twenty-five (25) tons per year for Lake County. Therefore, 326 IAC 8-7-2 is not applicable.

326 IAC 8-9 (Volatile Organic Liquid Vessels)

(a) Pursuant to 326 IAC 8-9-1, stationary vessels used to store volatile organic liquid (VOL) that are located in Lake County and have a capacity of less than thirty-nine thousand (39,000) gallons, identified as T-9, T-26, T-27 and T-950, are subject to the reporting and record keeping provisions of section 6(a) and 6(b) of this rule and are exempt from all other provisions of this rule.

(b) Pursuant to 326 IAC 8-9-1, storage tanks, identified as T-52, has a capacity equal to or greater than thirty-nine thousand (39,000) gallons, this tank is a stationary vessel used to store volatile organic liquid (VOL) located in Lake County. However, the maximum true vapor pressure of this tank is 0.0032 pound per square inch absolute. The only provisions of this rule applicable to this tank are the reporting and record keeping provisions of section 6(a) and 6(b) of this rule.

(c) Pursuant to 326 IAC 8-9-6(a) and (b), the owner or operator of each vessel shall keep the following records for three (3) years unless specified otherwise. Records shall be maintained for the life of the vessel:

(1) the vessel identification number
(2) the vessel dimensions
(3) the vessel capacity

326 IAC 9-1-2 (Carbon Monoxide Emission Limits)

Since this source is not considered a petroleum refinery, the requirements of this rule are not applicable to this source.

326 IAC 10-3-1 (Nitrogen Oxide Reduction Program for Specific Source Categories):

The source and its operations are not specifically listed under 326 IAC 10-3-1(a). Therefore, 326 IAC 10-3-1 is not applicable to this source.

326 IAC 6-2-2 (Particulate Matter (PM))

Pursuant to 326 IAC 6-2-2 (Particulate Emission Limitations for Sources of Indirect Heating), the particulate emissions from boiler, identified as SB-801, which was existing and in operation after June 8, 1972 and prior to September 21, 1983, shall not exceed 0.49 pounds per MMBtu heat input.

This limitation is based on the following equation:

$$Pt = \frac{0.87}{Q^{0.16}}$$

Where: Pt = Pounds of particulate matter emitted per million Btu (lb/mmBtu) heat input.
Q = total source maximum operating capacity rating in million Btu per hour (mmBtu/hr) heat input.

326 IAC 6-2-4 (Particulate Matter (PM))

(a) Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating: emission limitations for facilities specified in 326 IAC 6-2-1(d)), particulate emissions from the one (1) indirect heating unit (H-301), installed after September 21, 1983, shall not exceed 0.38 pounds of particulate matter per MMBtu heat input.

(b) Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating: emission limitations for facilities specifically listed in 326 IAC 6-2-1(d)), particulate emissions from the three (3) boilers (SB-820, SB-821 and SB-823), installed after September 21, 1983, shall not exceed 0.30, 0.33 and 0.28 pounds of particulate matter per MMBtu heat input, respectively.

The limitations in (a) and (b) are based on the following equation:

$$Pt = \frac{1.09}{Q^{0.26}}$$

Where Pt = pounds of particulate matter emitted per million Btu (lb/mmBtu) heat input.
Q = capacity for facility in question and capacity of those facilities which were previously constructed or received prior permits to construct.

326 IAC 8-3-5 (Volatile Organic Compounds (VOC))

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), for cold cleaning operations located in Lake County and existing as of July 1, 1990, the owner or operator of a cold cleaner degreaser facility shall ensure that the following control equipment requirements are met:

(1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:

(A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38° C)(one hundred degrees Fahrenheit (100° F));

(B) The solvent is agitated; or

(C) The solvent is heated.

(2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at

thirty-eight degrees Celsius (38° C)(one hundred degrees Fahrenheit (100° F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

(3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).

(4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.

(5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38° C)(one hundred degrees Fahrenheit (100° F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9° C) (one hundred twenty degrees Fahrenheit (120° F)):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.

(B) A water cover when solvent is used is insoluble in, and heavier than, water.

(C) Other systems of demonstrated equivalent control such that as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the US EPA as a SIP revision.

(b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility shall ensure that the following operating requirements are met:

(1) Close the cover whenever the articles are not being handled in the degreaser.

(2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.

(3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

NOTE: The provisions of 326 IAC 8-3-2 (Cold Cleaner Operations), apply to cold cleaning degreasers constructed after January 1, 1980, but the provisions of 326 IAC 8-3-2 contain only operation requirements. However, the provisions of 326 IAC 8-3-5 (Cold Cleaner Degreaser Operation and Control) contain both operation requirements and control requirements. The requirements in 326 IAC 8-3-2 are also specified in 326 IAC 8-3-5. Therefore, compliance with 326 IAC 8-3-5 also demonstrates compliance with 326 IAC 8-3-2.

State Rule Applicability - Insignificant Activities

326 IAC 8-4-4 and 326 IAC 8-4-6 (Petroleum Sources: Bulk Gasoline Terminals and Gasoline Dispensing Facilities)

The loading racks, are not subject to these rules, because the material loaded and unloaded is lube oil, not gasoline.

326 IAC 8-3-5 (Volatile Organic Compounds (VOC))

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), for cold cleaning operations located in Lake County and existing as of July 1, 1990, the owner or operator of a cold cleaner degreaser facility shall ensure that the following control equipment requirements are met:

(1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:

(A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38° C)(one hundred degrees Fahrenheit (100° F));

(B) The solvent is agitated; or

(C) The solvent is heated.

(2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38° C)(one hundred degrees Fahrenheit (100° F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

(3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).

(4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.

(5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38° C)(one hundred degrees Fahrenheit (100° F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9° C) (one hundred twenty degrees Fahrenheit (120° F)):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.

(B) A water cover when solvent is used is insoluble in, and heavier than, water.

(C) Other systems of demonstrated equivalent control such that as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the US EPA as a SIP revision.

(b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility shall ensure that the following operating requirements are met:

(1) Close the cover whenever the articles are not being handled in the degreaser.

(2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.

(3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

NOTE: The provisions of 326 IAC 8-3-2 (Cold Cleaner Operations), apply to cold cleaning degreasers constructed after January 1, 1980, but the provisions of 326 IAC 8-3-2 contain only operation requirements. However, the provisions of 326 IAC 8-3-5 (Cold Cleaner Degreaser Operation and Control) contain both operation requirements and control requirements. The requirements in 326 IAC 8-3-2 are also specified in 326 IAC 8-3-5. Therefore, compliance with 326 IAC 8-3-5 also demonstrates compliance with 326 IAC 8-3-2.

State Rule Applicability - Trivial Activities

326 IAC 6-3-1 (Particulate Emission Limitations for Manufacturing Processes)

Pursuant to 326 IAC 6-3-1(b) the following manufacturing processes are exempt from this rule: Trivial activities, as defined at 326 IAC 2-7-1(40), such as brazing, cutting, soldering and welding operations.

Compliance Requirements

Permits issued under 326 IAC 2-7are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The compliance monitoring requirements applicable to this source are as follows:

1. The six (6) process heaters, identified as H-201, H-302, H-401, H-402, H-404, H-406 and one (1) indirect heating unit, identified as H-301 have applicable compliance monitoring conditions as specified below:

   (a) Visible emissions notations of all six (6) process heater stack exhausts (H-201, H-302, H-401, H-402, H-404, H-406) and one (1) indirect heating unit (H-301) shall be performed once per shift during normal daylight operations while combusting fuel oil or off-gas. A trained employee shall record whether emissions are normal or abnormal.

   (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

   (c) In the case of batch or discontinuous operations, readings shall be taken during

that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

These monitoring conditions are necessary because the process heaters and indirect heating unit must operate properly to ensure compliance with 326 IAC 5-1 and 326 IAC 2-7 (Part 70).

Conclusion

The operation of this oil re-refinery shall be subject to the conditions of the attached proposed **Part 70 Permit No. T089-7556-00301.**

Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100
Small Industrial Boiler

Company Name: Safety-Kleen Oil Recovery Co.
Address City IN Zip: 601 Riley Road, East Chicago, Indiana 46312-1638
Part 70: 089-7556
Plt ID: 089-00301
Reviewer: Amy Cook
Date: June 10, 2003

			Pollutant	*PM	PM10	SO2	**NOX	VOC	CO
			Emission Factors (lb/MMCF)	1.9	7.6	0.6	100	5.5	84
Unit ID	**Heat Input MMBTu/hr**	**Potential Througput MMCF/yr**	**Installation Date**						
SB-801	36.0	315	1981	0.30	1.20	0.09	15.77	0.87	13.25
SB-820	44.5	390	1991	0.37	1.48	0.12	19.49	1.07	16.37
SB-821	42.5	372	1990	0.35	1.41	0.11	18.62	1.02	15.64
SB-823	34.0	298	pending	0.28	1.13	0.09	14.89	0.82	12.51
H-201	27.3	239	1990	0.23	0.91	0.07	11.96	0.66	10.04
H-401	15.3	134	1990	0.13	0.51	0.04	6.70	0.37	5.63
H-301	20.0	175	1989	0.17	0.67	0.05	8.76	0.48	7.36
H-302	15.1	132	1992	0.13	0.50	0.04	6.61	0.36	5.56
H-402	11.7	102	1990	0.10	0.39	0.03	5.12	0.28	4.30
H-404	9.0	79	1994	0.07	0.30	0.02	3.94	0.22	3.31
	255	**2236**	**Totals**	**2.13**	**8.50**	**0.66**	**111.86**	**6.15**	**93.97**

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.
**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Methodology

All emission factors are based on normal firing.
MMBtu = 1,000,000 Btu
MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu
Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98)
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
Note: Check the applicable rules and test methods for PM and PM10 when using the above emission factors to confirm that the correct factor is used (i.e., condensable included/not included).
See page 2 for HAPs emissions calculations.

Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100
Small Industrial Boiler
HAPs Emissions

Company Name: Safety-Kleen Oil Recovery Co.
Address City IN Zip: 601 Riley Road, East Chicago, Indiana 46312-1638
Part 70: 089-7556
Plt ID: 089-00301
Reviewer: Amy Cook
Date: June 10, 2003

HAPs - Organics

	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
Emission Factor in lb/MMcf	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential Emission in tons/yr	2.348E-03	1.342E-03	8.385E-02	2.012E+00	3.801E-03

HAPs - Metals

	Lead	Cadmium	Chromium	Manganese	Nickel
Emission Factor in lb/MMcf	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential Emission in tons/yr	5.590E-04	1.230E-03	1.565E-03	4.248E-04	2.348E-03

Methodology is the same as page 1.

The five highest organic and metal HAPs emission factors are provided above.
Additional HAPs emission factors are available in AP-42, Chapter 1.4.

Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100
Small Industrial Boiler

Company Name: Safety-Kleen Oil Recovery Co.
Address City IN Zip: 601 Riley Road, East Chicago, Indiana 46312-1638
Part 70: 089-7556
Plt ID: 089-00301
Reviewer: Amy Cook
Date: June 10, 2003

				Pollutant	*PM	PM10	SO2	**NOX	VOC	CO
				Emission Factors (lb/MMCF)	1.9	7.6	0.6	100	5.5	84
								50		
		Potential								
Unit ID	Heat Input MMBTu/hr	Througput MMCF/yr	Installation Date							
H-406	20.0	175	2002		0.17	0.67	0.05	4.38	0.48	7.36
	20	**175**	**Totals**		**0.17**	**0.67**	**0.05**	**4.38**	**0.48**	**7.36**

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.
**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Methodology

All emission factors are based on normal firing.
MMBtu = 1,000,000 Btu
MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu
Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98)
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
Note: Check the applicable rules and test methods for PM and PM10 when using the above emission factors to confirm that the correct factor is used (i.e., condensable included/not included).
See page 2 for HAPs emissions calculations.

Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100
Small Industrial Boiler
HAPs Emissions

Company Name: Safety-Kleen Oil Recovery Co.
Address City IN Zip: 601 Riley Road, East Chicago, Indiana 46312-1638
Part 70: 089-7556
Plt ID: 089-00301
Reviewer: Amy Cook
Date: June 10, 2003

HAPs - Organics

	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
Emission Factor in lb/MMcf	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential Emission in tons/yr	1.840E-04	1.051E-04	6.570E-03	1.577E-01	2.978E-04

HAPs - Metals

	Lead	Cadmium	Chromium	Manganese	Nickel
Emission Factor in lb/MMcf	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential Emission in tons/yr	4.380E-05	9.636E-05	1.226E-04	3.329E-05	1.840E-04

Methodology is the same as page 1.

The five highest organic and metal HAPs emission factors are provided above.
Additional HAPs emission factors are available in AP-42, Chapter 1.4.

Appendix A: Emissions Calculations
No. 2 Fuel Oil
MM BTU/HR <100
Small Industrial Boiler

Company Name: Safety-Kleen Oil Recovery Co.
Address City IN Zip: 601 Riley Road, East Chicago, Indiana 46312-1638
Part 70: 089-7556
Plt ID: 089-00301
Reviewer: Amy Cook
Date: June 10, 2003

			Pollutant	*PM	SO2	NOX	VOC	CO
			Emission Factors (lb/kgal)	2.0	42.6	20.0	0.34	5.0
					(142.0S)			
					0.30	**S =Weight% Sulfur		
Unit ID	**Heat Input MMBTu/hr**	**Potential Througput kgal/yr**	**Installation Date**					
H-201	27.3	1708	1990	1.71	36.38	17.08	0.29	4.27
H-401	15.3	957	1990	0.96	20.39	9.57	0.16	2.39
H-301	20.0	1251	1989	1.25	26.66	12.51	0.21	3.13
H-402	11.7	732	1990	0.73	15.59	7.32	0.12	1.83
	74	**4648**	**Totals**	**4.65**	**99.02**	**46.48**	**0.78**	**11.62**

Methodology

*PM emission factor is filterable PM only. Condensable PM emission factor is 1.3 lb/kgal.
** Weight % Sulfur is limited to 0.3%.
Potential Throughput (kgals/year) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1kgal per 1000 gallon x 1 gal per 0.140 MM Btu
Emission Factors are from AP 42, Tables 1.3-1, 1.3-2, and 1.3-3 (SCC 1-03-005-01/02/03) Supplement E 9/98 (see erata file)
Emission (tons/yr) = Throughput (kgals/ yr) x Emission Factor (lb/kgal)/2,000 lb/ton

Appendix A: Emissions Calculations
Commercial/Institutional/Residential Combustors (< 100 mmBtu/hr)
#1 and #2 Fuel Oil
HAPs Emissions

Company Name: Safety-Kleen Oil Recovery Co.
Address City IN Zip: 601 Riley Road, East Chicago, Indiana 46312-1638
Part 70: 089-7556
Plt ID: 089-00301
Reviewer: Amy Cook
Date: June 10, 2003

HAPs - Metals

	Arsenic	Beryllium	Cadmium	Chromium	Lead
Emission Factor in lb/mmBtu	4.0E-06	3.0E-06	3.0E-06	3.0E-06	9.0E-06
Potential Emission in tons/yr	8.14E-02	6.11E-02	6.11E-02	6.11E-02	1.83E-01

HAPs - Metals (continued)

	Mercury	Manganese	Nickel	Selenium
Emission Factor in lb/mmBtu	3.0E-06	6.0E-06	3.0E-06	1.5E-05
Potential Emission in tons/yr	6.11E-02	1.22E-01	6.11E-02	3.05E-01

Methodology

No data was available in AP-42 for organic HAPs.
Potential Emissions (tons/year) = Throughput (mmBtu/hr)*Emission Factor (lb/mmBtu)*8,760 hrs/yr / 2,000 lb/ton

Appendix A: Emissions Calculations
Process Offgas
MM BTU/HR <100
Small Industrial Boiler

Company Name: Safety-Kleen Oil Recovery Co.
Address City IN Zip: 601 Riley Road, East Chicago, Indiana 46312-1638
Part 70: 089-7556
Plt ID: 089-00301
Reviewer: Amy Cook
Date: June 10, 2003

				Pollutant	*PM	SO2	NOX	VOC	CO
				Emission Factors (lb/MMCF)	3.0	142.5	140	0.34	35.0
						950			
						(950.0S)			
						0.15	S =Weight% Sulfer for H-201		
						1	S =Weight% Sulfer H-401		
Unit ID	Heat Input MMBTu/hr	Potential Througput MMCF/yr**	Installation Date						
H-201	27.3	125	1990		0.19	8.92	8.76	0.02	2.19
H-401	15.3	89	1990		0.13	42.47	6.26	0.02	1.56
	43	**214**	**Totals**		**0.32**	**51.39**	**15.02**	**0.04**	**3.75**

Methodology

Potential Throughput (kgals/year) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1kgal per 1000 gallon x 1 gal per 0.140 MM Btu

Emission Factors are from Fire 6.2 (SCC 10200701)

*PM emission factor is filterable PM only.

**Provided by the source

Emission (tons/yr) = Throughput (kgals/ yr) x Emission Factor (lb/kgal)/2,000 lb/ton

Note: Check the applicable rules and test methods for PM and PM10 when using the above emission factors to confirm that the correct factor is used (i.e., condensable included/not included).

See page 2 for HAPs emission calculations.

Appendix A: Emissions Calculations
Commercial/Institutional/Residential Combustors (< 100 mmBtu/hr)
Process Offgas
HAPs Emissions

Company Name: Safety-Kleen Oil Recovery Co.
Address City IN Zip: 601 Riley Road, East Chicago, Indiana 46312-1638
Part 70: 089-7556
Plt ID: 089-00301
Reviewer: Amy Cook
Date: June 10, 2003

	Acetaldehyde	Benzene	Chromium	Chromium (VI)	Formaldehyde	Toluene
Emission Factor in lb/mmBtu	6.6E-06	4.2E-04	3.0E-07	7.0E-08	9.0E-06	7.1E-04
Potential Emission in tons/yr	6.19E-03	3.93E-01	2.79E-04	6.56E-05	8.44E-03	6.65E-01

HAPs - Metals (continued)

	Mercury	Manganese	Nickel	Naphthalene	Phenol
Emission Factor in lb/mmBtu	4.2E-07	6.1E-06	1.4E-06	2.5E-06	3.9E-06
Potential Emission in tons/yr	3.96E-04	5.72E-03	1.32E-03	2.32E-03	3.66E-03

Methodology

Potential Emissions (tons/year) = Throughput (mmBtu/hr)*Emission Factor (lb/mmBtu)*8,760 hrs/yr / 2,000 lb/ton